



Complete Summary

TITLE

Acute otitis externa (AOE): percentage of patients aged 2 years and older with a diagnosis of AOE who were prescribed topical preparations.

SOURCE(S)

American Academy of Otolaryngology - Head and Neck Surgery Foundation, Physician Consortium for Performance Improvement®. Acute otitis externa (AOE)/otitis media with effusion (OME) physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2007 Mar. 12 p. [2 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients aged 2 years and older with a diagnosis of acute otitis externa (AOE) who were prescribed topical preparations.

RATIONALE

Topical preparations should be used to treat acute otitis externa (AOE) as they are active against the most common bacterial pathogens in AOE, *Pseudomonas aeruginosa* and *Staphylococcus aureus*. Topical preparations have demonstrated efficacy in the treatment of AOE with resolution in about 65-90% of patients.*

*The following clinical recommendation statements are quoted verbatim from the referenced clinical guidelines and represent the evidence base for the measure:

Clinicians should use topical preparations for initial therapy of diffuse, uncomplicated AOE. (Recommendation based on randomized controlled trials with minor limitations and a preponderance of benefit over harm.) (American Academy of Otolaryngology - Head and Neck Surgery Foundation [AAO-HNSF])

PRIMARY CLINICAL COMPONENT

Acute otitis externa (AOE); topical preparations

DENOMINATOR DESCRIPTION

All patients aged 2 years and older with a diagnosis of acute otitis externa (AOE) (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Patients who were prescribed topical preparations

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Clinical practice guideline: acute otitis externa.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement
National reporting

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

TARGET POPULATION AGE

Age greater than or equal to 2 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All patients aged 2 years and older with a diagnosis of acute otitis externa (AOE)

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

All patients aged 2 years and older with a diagnosis of acute otitis externa (AOE)

Exclusions

- Documentation of medical reason(s) for not prescribing topical preparations
- Documentation of patient reason(s) for not prescribing topical preparations

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Patients who were prescribed topical preparations

Exclusions

None

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Encounter or point in time

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure**SCORING**

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Measure #1 - acute otitis externa: topical therapy.

MEASURE COLLECTION

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

MEASURE SET NAME

[Acute Otitis Externa \(AOE\)/Otitis Media with Effusion \(OME\) Physician Performance Measurement Set](#)

SUBMITTER

American Medical Association on behalf of the American Academy of Otolaryngology - Head and Neck Surgery (AAO-HNS) Foundation and the Physician Consortium for Performance Improvement®

DEVELOPER

American Academy of Otolaryngology - Head and Neck Surgery (AAO-HNS) Foundation
Physician Consortium for Performance Improvement®

FUNDING SOURCE(S)

Unspecified

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FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST

Conflicts, if any, are disclosed in accordance with the Physician Consortium for
Performance Improvement® conflict of interest policy.

INCLUDED IN

Ambulatory Care Quality Alliance
Physician Quality Reporting Initiative

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2007 Mar

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

American Academy of Otolaryngology - Head and Neck Surgery Foundation,
Physician Consortium for Performance Improvement®. Acute otitis externa
(AOE)/otitis media with effusion (OME) physician performance measurement set.
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MEASURE AVAILABILITY

The individual measure, "Measure #1 - Acute Otitis Externa: Topical Therapy," is
published in "Acute Otitis Externa (AOE)/Otitis Media with Effusion (OME)
Physician Performance Measurement Set." This document and technical
specifications are available in Portable Document Format (PDF) from the American
Medical Association (AMA)-convened Physician Consortium for Performance
Improvement® Web site: www.physicianconsortium.org.

For further information, please contact AMA staff by e-mail at cqi@ama-assn.org.

NQMC STATUS

This NQMC summary was completed by ECRI Institute on January 16, 2008. The information was verified by the measure developer on February 18, 2008.

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